WEST Search History

Hide Items | Restore | Clear | Cancel

DATE: Tuesday, March 20, 2007

Hide?	Set Name	Query	Hit Count
		DB=PGPB,USPT; PLUR=YES; OP=ADJ	
☐	L12	L11 and l6	1
☐	L11	L10 and @ad<20020123	2
☐	L10	L9 and (DNA or nucleic acid or nucleotide or polynucleotide or vector or host)	4
☐	L9	L7 and Piromyces	5
☐	L7	Xylose isomerase or Xylose ketoisomerase	512
☐	L6	L5 or l4 or l3 or l2 or l1	41236
☐	L5	(536/23.2)!.ccls.	15554
☐	L4	(435/320.1)!.ccls.	33531
☐	L3	(435/252.3)!.ccls.	11355
☐	L2	(435/233)!.ccls.	295
☐	L1	(435/183)!.ccls.	5496

END OF SEARCH HISTORY

```
=> d full his

     (FILE 'HOME' ENTERED AT 12:48:50 ON 20 MAR 2007)

     FILE 'REGISTRY' ENTERED AT 12:49:09 ON 20 MAR 2007
L1             1 SEA ABB=ON  PLU=ON  9023-82-9/RN
                 D

     FILE 'HCAPLUS' ENTERED AT 12:51:02 ON 20 MAR 2007

     FILE 'REGISTRY' ENTERED AT 12:51:04 ON 20 MAR 2007
                 SET SMARTSELECT ON
L2               SEL PLU=ON  L1 1- CHEM :       7 TERMS
                 SET SMARTSELECT OFF

     FILE 'HCAPLUS' ENTERED AT 12:51:05 ON 20 MAR 2007
L3           745 SEA ABB=ON  PLU=ON  L2
                 E PIROMYCES/CT
                 E E3+ALL
L4             8 SEA ABB=ON  PLU=ON  L3 (L) PIROMYCES
L5             0 SEA ABB=ON  PLU=ON  L4 AND PD<20020123
```

```
=> s 9023-82-9/RN
L1            1 9023-82-9/RN

=> d

L1   ANSWER 1 OF 1  REGISTRY  COPYRIGHT 2007 ACS on STN
RN   9023-82-9  REGISTRY
ED   Entered STN:  16 Nov 1984
CN   Isomerase, xylose (9CI)  (CA INDEX NAME)
OTHER NAMES:
CN   D-Xylose (glucose) isomerase
CN   D-Xylose isomerase
CN   D-Xylose ketoisomerase
CN   E.C. 5.3.1.5
CN   Xylose (glucose) isomerase
CN   Xylose isomerase
MF   Unspecified
CI   MAN
LC   STN Files:   AGRICOLA, ANABSTR, BIOSIS, BIOTECHNO, CA, CAPLUS, CASREACT,
       CBNB, EMBASE, IFICDB, IFIPAT, IFIUDB, PIRA, PROMT, TOXCENTER, USPAT2,
       USPATFULL
     Other Sources:   DSL**
         (**Enter CHEMLIST File for up-to-date regulatory information)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

**PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT**

             606 REFERENCES IN FILE CA (1907 TO DATE)
              19 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
             606 REFERENCES IN FILE CAPLUS (1907 TO DATE)
```

Database: ENZYME
Entry: 5.3.1.5

```
ENTRY       EC 5.3.1.5                  Enzyme
NAME        xylose isomerase;
            D-xylose isomerase;
            D-xylose ketoisomerase;
            D-xylose ketol-isomerase
CLASS       Isomerases
            Intramolecular oxidoreductases
            Interconverting aldoses and ketoses
SYSNAME     D-xylose aldose-ketose-isomerase
REACTION    D-xylose = D-xylulose [RN:R01432]
ALL_REAC    R01432;
            (other) R00307 R00878
SUBSTRATE   D-xylose [CPD:C00181]
PRODUCT     D-xylulose [CPD:C00310]
COMMENT     Some enzymes also convert D-glucose to D-fructose.
REFERENCE   1
            Hochster, R.M. and Watson, R.W. Enzymatic isomerization of D-xylose
            to D-xylulose. Arch. Biochem. Biophys. 48 (1954) 120-129.
            2
            Slein, M.W. Xylose isomerase from Pasteurella pestis, strain A-1122.
            J. Am. Chem. Soc. 77 (1955) 1663-1667.
            3  [PMID:5646045]
            Yamanaka K.
            Purification, crystallization and properties of the D-xylose
            isomerase from Lactobacillus brevis.
            Biochim. Biophys. Acta. 151 (1968) 670-80.
PATHWAY     PATH: map00040  Pentose and glucuronate interconversions
            PATH: map00051  Fructose and mannose metabolism
ORTHOLOG    KO: K01805  xylose isomerase
GENES       DME: Dmel_CG8536
            ECO: b3565(xylA)
            ECJ: JW3537(xylA)
            ECE: Z4990(xylA)
            ECS: ECs4448
            ECC: c4385(xylA)
            ECI: UTI89_C4106(xylA)
            ECP: ECP_3668
            ECV: APECO1_2884(xylA)
            STY: STY4137(xylA)
            STT: t3858(xylA)
            SPT: SPA3512(xylA)
            SEC: SC3596(xylA)
            STM: STM3661(xylA)
            YPE: YPO4038(xylA)
            YPK: y4057(xylA)
            YPM: YP_3400(xylA)
            YPA: YPA_4128
            YPN: YPN_3685
            YPS: YPTB3891(xylA)
            SSN: SSO_3820(xylA)
            SBO: SBO_3573(xylA)
            ECA: ECA0097(xylA) ECA1953
            PLU: plu2275(xylA)
            HIN: HI1112(xylA)
            HIT: NTHI1276(xylA)
            HSO: HS_0587(xylA)
            MSU: MS2373(xylA)
            APL: APL_1908(xylA)
            XCC: XCC1758(xylA) XCC4100(xylA)
            XCB: XC_2477 XC_4191
            XCV: XCV1808 XCV4330(xylA)
            XAC: XAC1776(xylA) XAC4225(xylA)
            XOO: XOO2910(xylA) XOO4417(xylA)
            PPR: PBPRA0457
            PST: PSPTO_3002(xylA)
```

PSB: Psyr_2883
PSP: PSPPH_2356(xylA)
PFO: Pfl_2303
PAT: Patl_3726
SDE: Sde_2504
BXE: Bxe_B2622
BCN: Bcen_6506
BCH: Bcen2424_6740
BAM: Bamb_6332
BTE: BTH_I2338(xylA)
MLO: mll4975 mlr5036 mlr5709
MES: Meso_2820
SME: SMc03163(xylA)
ATU: Atu4483(xylA)
ATC: AGR_L_774
RET: RHE_CH03648(xylA)
RLE: RL4176(xylA)
BME: BMEI1387
BMF: BAB1_0570
BMS: BR0547(xylA)
BMB: BruAb1_0569(xylA)
BJA: blr1120(xylA)
SIL: SPO0856(xylA)
SIT: TM1040_0029
RSP: RSP_1176(xylA)
RSH: Rsph17029_2838
RDE: RD1_3705(xylA) RD1_3765(xylA)
NAR: Saro_0757
ABA: Acid345_0903
SUS: Acid_3042
BSU: BG10806(xylA)
BHA: BH2757(xylA)
BCA: BCE_2210(xylA)
BLI: BL03867(xylA)
BLD: BLi04048
BCL: ABC0572(xylA)
OIH: OB3119
GKA: GK1875
LWE: lwe0243(xylA) lwe0277
LLA: L0230(xylA)
LLM: llmg_1002(xylA)
EFA: EF0556(xylA)
MSM: MSMEG_6021(xylA)
MVA: Mvan_5294
RHA: RHA1_ro04090
SCO: SCO1169(2SCG11.03c)
SMA: SAV7182(xylA)
LXX: Lxx03370(xylA)
ART: Arth_2430
AAU: AAur_3706(xylA)
NCA: Noca_2375
TFU: Tfu_1603
ACE: Acel_2064
BLO: BL1704(xylA)
RBA: RB2658(xylA)
BTH: BT_0793
BFR: BF2262
BFS: BF2356
SRU: SRU_0980
DGE: Dgeo_2692
TMA: TM1071 TM1667

STRUCTURES PDB: 1A0C 1A0D 1A0E 1BHW 1BXB 1BXC 1CLK 1DID 1DIE 1DXI
1GW9 1MNZ 1MUW 1O1H 1OAD 1QT1 1S5M 1S5N 1XIA 1XIB
1XIC 1XID 1XIE 1XIF 1XIG 1XIH 1XII 1XIJ 1XIM 1XIN
1XIS 1XLA 1XLB 1XLC 1XLD 1XLE 1XLF 1XLG 1XLH 1XLI
1XLJ 1XLK 1XLL 1XLM 1XYA 1XYB 1XYC 1XYL 1XYM 2GLK
2GUB 2GVE 2GYI 2XIM 2XIN 2XIS 3XIM 3XIN 3XIS 4XIA
4XIM 4XIS 5XIA 5XIM 5XIN 6XIA 6XIM 7XIM 8XIA 8XIM

```
                9XIA  9XIM
DBLINKS     IUBMB Enzyme Nomenclature: 5.3.1.5
            ExPASy - ENZYME nomenclature database: 5.3.1.5
            ERGO genome analysis and discovery system: 5.3.1.5
            BRENDA, the Enzyme Database: 5.3.1.5
            CAS: 9023-82-9
///
```

DBGET integrated database retrieval system, GenomeNet